

Title (en)

USER EQUIPMENT, BASE STATION AND WIRELESS COMMUNICATION METHOD

Title (de)

BENUTZERGERÄT, BASISSTATION UND DRAHTLOSKOMMUNIKATIONSVERFAHREN

Title (fr)

EQUIPEMENT D'UTILISATEUR, STATION DE BASE ET PROCÉDÉ DE COMMUNICATION SANS FIL

Publication

EP 3665820 A4 20200722 (EN)

Application

EP 17921311 A 20170810

Priority

CN 2017096724 W 20170810

Abstract (en)

[origin: WO2019028717A1] Provided are a user equipment, base station and wireless communication methods related to uplink control information mapping in physical uplink resources in NR (New Radio access technology). A user equipment comprises: circuitry operative to map, in physical resource blocks (PRBs) for Physical Uplink Shared Channel (PUSCH), Uplink Control Information (UCI) to one or more available resource elements according to their distances with resource elements where reference signals are mapped in one or more of time domain, frequency domain and spatial domain; and a transmitter operative to transmit the UCI and the reference signals in PUSCH on the PRBs to a base station.

IPC 8 full level

H04L 5/00 (2006.01)

CPC (source: CN EP KR RU US)

H04L 1/1812 (2013.01 - RU US); **H04L 5/0007** (2013.01 - KR RU US); **H04L 5/0044** (2013.01 - CN EP KR RU); **H04L 5/0048** (2013.01 - US); **H04L 5/0051** (2013.01 - CN EP KR); **H04W 72/23** (2023.01 - US); **H04L 5/0007** (2013.01 - CN EP); **H04L 5/0053** (2013.01 - CN EP)

Citation (search report)

- [X] WO 2017019132 A1 20170202 - INTEL IP CORP [US]
- [XA] US 2016056942 A1 20160225 - WANG YI [CN], et al
- [A] HUAWEI ET AL: "UCI piggyback on PUSCH", vol. RAN WG1, no. Qingdao, China; 20170627 - 20170630, 26 June 2017 (2017-06-26), XP051299188, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Meetings_3GPP_SYNC/RAN1/Docs/> [retrieved on 20170626]
- See also references of WO 2019028717A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2019028717 A1 20190214; **WO 2019028717 A8 20190307**; AU 2017426866 A1 20200206; AU 2017426866 B2 20230511; BR 112020001065 A2 20200714; CN 110999165 A 20200410; CN 110999165 B 20220628; CN 115361105 A 20221118; CN 115361105 B 20240206; EP 3665820 A1 20200617; EP 3665820 A4 20200722; JP 2020529755 A 20201008; JP 7114640 B2 20220808; KR 102405391 B1 20220603; KR 20200037242 A 20200408; RU 2736626 C1 20201119; US 11026222 B2 20210601; US 11570768 B2 20230131; US 11792823 B2 20231017; US 2020178222 A1 20200604; US 2021266883 A1 20210826; US 2023146761 A1 20230511; US 2023422267 A1 20231228; ZA 202000724 B 20210825

DOCDB simple family (application)

CN 2017096724 W 20170810; AU 2017426866 A 20170810; BR 112020001065 A 20170810; CN 201780093493 A 20170810; CN 202210849186 A 20170810; EP 17921311 A 20170810; JP 2019571447 A 20170810; KR 20207003405 A 20170810; RU 2020105267 A 20170810; US 201716631493 A 20170810; US 202117306501 A 20210503; US 202218148407 A 20221229; US 202318464119 A 20230908; ZA 202000724 A 20200204